

## Purchasing Receipts

PO No	Supplier Item No	Line Item No	Rel Terms	Purchased Item	Description No	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Past Due	Total	Supplier Name
PO040374	ACI001-VC	7	1 Net 30	MT-1144-R4.500	1144 Steel Prcf Round Bar 4.500"				10/7/16/2018	10	\$094657	Stock	7/20/2018	\$ 217.26 / ft	0	\$2,199.76	Aacier Ouellette Inc.	
		15	.	MT-4140-B-1.000X1.000	4140 Steel Bar 1.000 X 1.000 : AISI 4140N STEEL BAR PER MIL-S- 5626, AMS 6382, AMS 6349, AMS 6529 receive ft			24		24	\$094658	Stock	7/20/2018	\$ 20.50 / ft	0	\$497.02	Aacier Ouellette Inc.	
		16		MT-4140-S-1.500X2.000	4140 Steel Bar 1.500 X 2.000 : MAT'L: AISI 4140/4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6305 receive ft					6	\$094659	Stock	7/20/2018	\$ 42.50 / ft	0	\$255.00	Aacier Ouellette Inc.	
<b>Total:</b>										<b>40</b>					<b>40</b>		<b>\$2,228.90</b>	

plex /20/2018 4:06 PM *dart.Tollis.Andrew*

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242**DELIVERY - CLIENT**

CO00098708

**Billed to**  
**DART AEROSPACE LTD**  
**1270 , ABERDEEN ST.**  
**HAWKESBURY, Ontario, K6A 1K7**  
**Ontario,**  
**Att : CHANTAL LAVOIE Tel.: 613-632-5200**

**Instruction** F-M  
**Delivery Route** 5

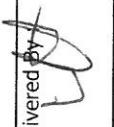
**Shipped to**  
**DART AEROSPACE LTD**  
**1270 , ABERDEEN ST.**  
**HAWKESBURY, Ontario, K6A 1K7**  
**Ontario,**  
**Att : CHANTAL LAVOIE Tel.: 613-632-5200**

**Customer Nº** CLI0001056  
**Date** 2018/07/05  
**Delivery date** **2018/07/20**  
**Your order Nº** 040374  
**Processed by** Eric Kaehler  
**Salesman**  
**Carrier** OUELETTE VALLEYFIELD  
**Credit Termes** Net 30 Days

Product Description	Weight	Qty	UM	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>1 ROUND STRESSPROOF 4 1/2 RANDOM NS ASTM A311</b>	545.13	10.08	PI								
<b>CF</b>											
RST-412-V	<b>11330</b>										
<i>1 X 121" PRE-CUT</i>	<i>** CERTIFICATE **</i>										
<i>LINE: 7</i>											
<i>AC17925-JG-2018-07-16 V</i>											
<i>Heat A174952</i>	<i>A</i>										
<b>2 PLATE 4140 HEAT TREAT 1 NS</b>	81.68	2.00	PI2								
P4140-1H	<b>8796</b>										
<i>2 PCS 1" X 144"</i>	<i>** CERTIFICATE **</i>										
<i>LINE# 15</i>											
<i>AC17926-EU-2018-07-18</i>											
<i>Heat 302904</i>	<i>A</i>										
<b>3 PLATE 4140 HEAT TREAT 1 1/2 NS</b>	61.20	1.00	PI2								
P4140-112H	<b>8283</b>										
<i>1 PC 2" X 6'</i>	<i>** CERTIFICATE **</i>										
<i>LINE: 16</i>											
<i>AC17926-FU-2018-07-18</i>											
<i>Heat 302904</i>	<i>A</i>										

## DELIVERY - CLIENT

CO00098708

Product Description	Qty	Weight	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
<b>Total Weight (lbs) :</b>	688.01									
<b>Conditions :</b>	<p>All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.</p>									
Prepared By :	Verified By :	Delivered By :	Time			Customer's Signature	Date			
							Y 18 M 12 D 2020			



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO040374

**Supplier:** ACI001-VC  
Acer Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO040374

**PO Date:** 6/29/18

**Due Date:** 7/11/18

**Purchase Order Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** QUOTE NO. sou0117139

E-MAILED  
JUL 05 2018

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M6061T6B0.500X01.250		6061-T6 Bar .500 X 1.25 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/11/18	20 ft	0 ft	20 ft	\$2.637/ft	\$52.74 <i>AC18/67/18</i>
2		M6061T6B1.000X12.000		6061-T6 Bar 1.00 X 12.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/11/18	12 ft	0 ft	12 ft	\$57.274166/ft	\$687.29 <i>AC18/67/18</i>
3		M6061T6B1.250X04.500		6061-T6 Bar 1.25 X 4.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/11/18	8 ft	0 ft	8 ft	\$43.85625/ft	\$350.85 <i>AC18/67/18</i>

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M6061T6B1.500X3.000		6061T6 Bar 1.500 X 3.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/11/18	6 ft	0 ft	6 ft	\$18.308333/ft	\$109.85
5		M1018R1.375		M1018R1.375 : MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	7/11/18	15 ft	0 ft	15 ft	\$6.0573333/ft	\$90.86
6		M1018B1.000X03.000		1010-1025 Steel Bar 1.000 X 3.000 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W	Firmed	7/11/18	12 ft	0 ft	12 ft	\$12.235/ft	\$146.82
7		MT-1144-R4.500		1144 Steel Proof Round Bar 4.500"	Firmed	7/18/18	8 ft	0 ft	8 ft	\$15.210833/ft	\$121.69
8		M5052H32S.125		5052-H32 .125 Sheet MATERIAL: 6061-T6/T62/T651 ALUMINUM SHEET OR PLATE SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR 4027 OR ASTM B209	Firmed	7/11/18	32 sf	0 sf	32 sf	\$8.21/sf	\$262.72
9		MT-4140QT-R0.750		AISI 4140 Quenched & Tempered Steel Round Bar 0.750" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	7/11/18	20 ft	0 ft	20 ft	\$3.0935/ft	\$61.87
10		MT-4140QT-R1.000		AISI 4140 Quenched & Tempered Steel Round Bar 1.000" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	7/11/18	15 ft	0 ft	15 ft	\$5.031333/ft	\$75.47

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
11		MT-4140QT-R2.250		AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	7/11/18	10 ft	✓ 10 ft	10 ft	\$25.64/ft	\$256.40
12		MT-4140QT-R4.000		AISI 4140 Quenched &Tempered Steel Round Bar 4.000" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	7/11/18	3 ft	✓ 3 ft	3 ft	\$85.28/ft	\$255.84
13		MT-HRS-P-0.3125		Hot Rolled Steel Plate 0.3125" (44W) MATERIAL: HOT ROLLED STEEL PLATE ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	Firmed	7/11/18	16 sf	✓ 16 sf	16 sf	\$11.59625/sf	\$185.54
Line Item Note		1 pcs 4 ft x 4 ft									
14		M6061T6R1.375		6061-T6 Round Bar 1.375" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/11/18	15 ft	✓ 15 ft	15 ft	\$6.033333/ft	\$90.50
15		MT-4140-B-1.000X1.000		4140 Steel Bar 1.000 X 1.000 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	7/19/18	24 ft	✓ 24.25 ft	24 ft	\$20.495833/ft	\$491.90
16		MT-4140-S-1.500X2.000		4140 Steel Bar 1.500 X 2.000 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	7/19/18	6 ft	✓ 6 ft	6 ft	\$42.50/ft	\$255.00

Grand Total: \$3,495.34

## Order Notes

Order Notes
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms &amp; Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.</p>

Plex 7/4/18 2:12 PM *dart.lavoie.chantal*



### ACIER OUELLETTE INC.

935, Boul. du Hâvre  
 Salaberry de Valleyfield (Québec) J6S 5L1  
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Quotation

SOU0117139

#### Billed to

DART AEROSPACE LTD  
 1270 , ABERDEEN ST.  
 HAWKESBURY, Ontario, K6A 1K7

#### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056

Date 2018/06/28

Revision N° 0

Prices valid until 2018/07/05

Your Order N°

Processed by Eric Kaehlert

Salesman ERIC

P10: 040374

Carrier OUELLE SDV

Credit Terms Net 30 Days

Page 1

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
FLAT ALU 1/2 X 1 1/4 6061-T6 * FAL-12114 2469 <i>1 X 20' 2-3 DAYS</i>	15.70	20.00 PI_\$CLB	20.00 PI	2.64			52.74
FLAT ALU 1 X 12 6061-T6 * FAL-112 2450 <i>SAW CUT SCIE 1 1 X 12' STOCK</i>	169.34	12.00 PI_\$CLB	12.00 PI	56.44			677.29
ALU PLATE 1 1/4 6061-T651 RANDOM PAL-1146061-V 7453 <i>1 X 4-1/2" X 8' 2-3 DAYS</i>	53.88	3.00 PI2	3.00 PI2	116.95			350.85
FLAT ALU 1 1/2 X 3 6061-T6 * FAL-1123 2445 <i>1 X 6' STOCK</i>	31.75	6.00 PI_\$CLB	6.00 PI	18.31			109.85
ROUND CR 1 3/8 1018 (R) RCR-138 5275 <i>1 X 15' STOCK</i>	75.75	15.00 PI_\$CLB	15.00 PI	6.06			90.86
FLAT CR 1 X 3 1018 (R) FCR-13 2727 <i>1 X 12' R/L STOCK</i>	122.40	12.00 PI_\$CLB	12.00 PI	12.23			146.82
ROUND 4-1/2" DIA RANDOM STRESSPROOF ASTM A311 CF <i>N 1 X 8' 6-7 DAYS</i>	0.00	1.00 UN	1.00 UN	2 190.00			2 190.00
ALU SHEET 1/8 5052-H32 RANDOM FEAL-18-V5052 4262 <i>1 X 4' X 8' PVC 1 SIDE 2-3 DAYS</i>	56.38	32.00 PI2_\$CLB	32.00 PI2	8.21			262.72
ROUND 4140 HEAT TREAT 3/4 (R) R4140-34H 4949 <i>1 X 20' R/L STOCK</i>	30.04	20.00 PI_\$CLB	20.00 PI	3.09			61.87

Date :

Next Page...



### ACIER OUELLETTE INC.

935, Boul. du Hâvre  
 Salaberry de Valleyfield (Québec) J6S 5L1  
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Quotation

SOU0117139

#### Billed to

DART AEROSPACE LTD  
 1270 , ABERDEEN ST.  
 HAWKESBURY, Ontario, K6A 1K7

#### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°	CLI0001056
Date	2018/06/28
Revision N°	0
Prices valid until	2018/07/05
Your Order N°	
Processed by	Eric Kaehlert
Salesman	ERIC
Carrier	OUELLE SDV
Credit Terms	Net 30 Days
Page	2

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ROUND 4140 HEAT TREAT 1 (R) R4140-1H 4919 ✓	40.05	15.00 PI_\$CLB	15.00 PI	4.70			70.47
SAW CUT SCIE 1 1 X 15' STOCK		1.00 UN	1.00	5.00			5.00
ROUND 4140 HEAT TREAT 2 1/4 (R) R4140-214H 4927 ✓	135.20	10.00 PI_\$CLB	10.00 PI	25.14			251.40
SAW CUT SCIE 1 1 X 10' 2-3 DAYS		1.00 UN	1.00	5.00			5.00
ROUND 4140 HEAT TREAT 4 (R) R4140-4H 4965 ✓	132.21	3.00 PI_\$CLB	3.00 PI	81.95			245.84
SAW CUT SCIE 1 1 X 3' STOCK		1.00 UN	1.00	10.00			10.00
PLATE 44W 5/16 RANDOM P44-516-V 4124 ✓	204.00	16.00 PI2_\$CLB	16.00 PI2	9.68			154.94
COUPE AU FEU FEU 3 1 X 4' X 4' 3-4 DAYS		204.00 LBS_\$CLB	204.00	0.15			30.60
ROUND ALU 1 3/8 6061-T6 * RAL-138 5132 ✓	26.16	15.00 PI_\$CLB	15.00 PI	6.03			90.50
1 X 15' STOCK							
PLATE 4140 HEAT TREAT 1 NS P4140-1H 8796 ✓	81.68	2.00 PI2	2.00 UN_\$UN	245.95			491.90
2 PCS 1" X 144" 7-10 DAYS							
PLATE 4140 HEAT TREAT 1 1/2 NS P4140-112H 8283 ✓	61.20	1.00 PI2	1.00 UN_\$UN	255.00			255.00
1 PC 2" X 6' 7-10 DAYS							

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0117139

**Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°** CLI0001056**Date** 2018/06/28**Revision N°** 0**Prices valid until** 2018/07/05**Your Order N°****Processed by** Eric Kaehlert**Salesman** ERIC**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 3

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
FUEL CHARGE <b>FRAIS_ENERGETIQUE</b>			\$						3.95

**Total Weight (Lbs)** 1 235.74**Important**

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices.

This offer is subject to credit approval.

Approuved and Accepted by : \_\_\_\_\_

Date : \_\_\_\_\_

**Sub-total** 5 567.60

TVH-13 · · 723.79

**Total (\$CAD)** 6 291.39

## **Chantal Lavoie**

---

**From:** Chantal Lavoie  
**Sent:** Thursday, June 28, 2018 10:18 AM  
**To:** Eric Kaehlert  
**Subject:** quote

Good morning Eric,  
Please advise price an delivery on mat'l.

~~6061-t6 bar 0.500" x 1.250" x 12 ft~~

~~6061t6 bar 1" x 12" x 12 ft~~

~~6061-t6 bar 1.250" x 4.5" x 8 ft~~

~~6061-t6 bar 3" x 1.5" x 6 ft~~

~~1018 round bar 1.375" x 12 ft~~

~~1018 bar 1" x 3" x 12 ft~~

~~1144 round bar 4.5" x 8 ft~~

~~4140 qt round bar 0.750" x 24 ft~~

~~4140 qt round bar 1" x 12 ft~~

~~4140 qt round bar 2.250" x 8 ft~~

~~4140 qt round bar 4" x 3 ft~~

~~5052h32 sheet .125" x 4 ft x 4 ft = 16 sf~~

~~4140 bar 1" x 1" x 24 ft~~

~~4140 plate or bar 1.5" x 2" x 6 ft~~

~~Hrs plate 0.3125" x 4 ft x 4 ft = 16 sf~~

~~6061t6 round bar 1.375" x 12 ft~~

Thanks  
Chantal

# CERTIFICATE OF TEST 98708

# CERTIFICAT D'ESAISS Dart

17925N

Page 01 of 02

Certification Date  
16-JUL-2018CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00017925

Invoice Number  
T381855

PART NUMBER/NUMÉRO DE PIÈCE

SOLD TO: ACIER OUELLETTE INC.      SHIP TO: ACIER OUELLETTE INC.  
VENDU À: DIVISION SALABERRY DE VALLEYFIELD      EXEMPTED  
935, BOUL. DU HAVRE  
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIELD QC J6S

Description: STRESSPROOF CF BAR ASTM A311 CL B  
4-1/2 RD X 10 1.0" ( 121.0" ) REMNANT Line Total: 545.809 LB  
HEAT: A174952 ITEM: 501825

Specifications:  
ASTM A108 13

ASTM A311 CL B 10

ASTM A29 15

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO
0.45	1.40	0.005	0.30	0.25	0.08	0.11	0.04
CU	AL	V	N	PB	B	NB	
0.14	0.001	0.004	0.011	0.004	0.0011	0.001	

RCPT: R358746

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR PSI	ULT TEN PSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	115022.0	127306.0	10.2	26.7	255

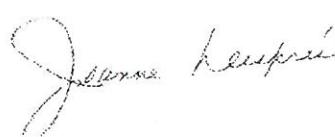
GRAIN SIZE : 3 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport n'encontre pas les spécifications décrites ci-haut.

JANINE DESPREZ

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST CERTIFICAT D'ESAI

Page 02 of 02

Certification Date  
16-JUL-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT  
AC00017925

Invoice Number  
T381855

## PART NUMBER/NUMÉRO DE PIÈCE

SOLD TO:	ACIER OUELLETTE INC.	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD	EXPÉDIÉ À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD
HEAT:	QC J6S	ITEM:	QC J6S

Description: STRESSPROOF® CF BAR ASTM A311 CL B  
4-1/2 RD X 10'1.0" ( 121.0") REMNANT Line Total: 545.809 LB  
HEAT: A174952 ITEM: 501825

STRAND CAST REDUCTION RATIO 7.9 TO 1  
MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL

---

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

## SPECIFICATION CONTROL DRAWING

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17 08 09	VM	WM JAN.09.12

PURCHASE MATERIAL : AISI 1144 STRESSPROOF STEEL ROUND BAR  
SPECIFICATION: ASTM A311 or UNS G11440  
PART NUMBER: MT-1144-R (D.DDD)  
WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = MT-1144-R0.625

(AISI 1144 STRESSPROOF STEEL ROUND BAR)

<b>DART</b> AEROSPACE Technologies, Ontario, Canada	
TITLE AISI 1144 STRESSPROOF STEEL ROUND BAR	
ENG'D NO.	MT-1144-R
DESIGN BY:	VNA/B3/2017
DRAWN BY:	VNA/B3/21/2017
CHECKED BY:	X
MECH. APPROVE:	SAC-B3/31/2017
QA APPROVE:	DP-B3/31/2017
APPROVED:	PD-B3/31/2017
DATE:	WMA 09/05/2017
SCALE:	1:1
WEIGHT:	30.0 LBS.
SHRFT:	1 OF 1
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M T-1144-R4.500  
 DATE: 18/07/23

PO / BATCH NO.: P0046374/S094657

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 10.125'  
 QUANTITY INSPECTED: 10.125'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.500"  
 THICKNESS RECEIVED: 4.500"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>ASTM A311</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>H1:A174952</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/07/23</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

98708

Dart

17926N

**Chemical certification  
Certification chimique**

Order Num / No. Commande	Vendor / Fournisseur	Country of origin / Pay d'origine	Date	Heat / coulée	Material ID # / No. matière
AC-17926	46	SLOVENIA	12/11/17	302904	
Grade / Nuance <u>4140 PLT</u>	Conditions <b>HEAT TREATED, E + VD</b>				
Shape / Forme PLT	Size / Dimension 1.500	Specifications <u>ASTM A829/A829M</u>			

**Chemical composition / Analyse chimique**

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.418	0.200	0.768	0.012
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.001	0.980	0.120	0.160
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.212	0.034	0.026	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

**Mechanical properties / Propriétés Mécaniques**

Yield strength / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		303 BHN

**Note:**

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material.

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.



Prepared by: / Préparé par:

1	2	3	4	5	6	7	8
			REV				
		DESCRIPTION			ECN #	DATE	
A	NEW ISSUE				17-790	17.12.13	BY APPROVED
B	MIN & MAX CHANGED				18-523	18.01.24	VM ML
C	ADD AISI 4142				18-544	18.02.14	ML ML

C  
D

**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL BAR  
 MIN THIN ROCKWELL C = 28 RC  
 MAXIMUM ROCKWELL C = 32 RC

SPECIFICATION:  
 ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626, MIL-S-24093

PART NUMBER:  
 MT-4140-B-[T,TT] x [W,WWW]  
 WHERE "T,TT" = THICKNESS IN INCHES  
 WHERE "W,WWW" = WIDTH IN INCHES  
 EX. 4.0" x 6.0" BAR = MT-4140-B-4.00x6.000

C  
B

**DART**  
**AEROSPACE** Representing Optech Controls

FILE: **ALSI 4140 / 4142 STEEL BAR** REV: **C**

PART NO: **MT-4140-B** REV: **C**

ITEM NO:

UNLESS OTHERWISE SPECIFIED,  
 DIMENSIONS ARE IN INCHES.  
 CHARTED FOR PLATE, FLAT BAR,  
 CHANNELS AND ANGLES.  
 TOLERANCES: ± .010

DESIRED BY: VM 12/13/2017  
 DRAWN BY: ML 02/14/2013  
 CHECKED BY: VM 02/14/2013  
 MFG REVIEW BY: DD 02/14/2013  
 APPROVED BY: ML 02/14/2013

TO THE NEAREST .001" OR .0001"

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 SHEET 1 OF 1

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A  
B  
C  
D

## SPECIFICATION CONTROL DRAWING

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	M

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE  
 MINIMUM ROCKWELL C = 28 Rc  
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

ASTM A829 AMS 6395

PART NUMBER:

MT-4140-S-[T,TTT] x [W,WWW]  
 WHERE "T,TTT" = THICKNESS IN INCHES  
 WHERE "W,WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE		Technical Data Sheet	
AISI 4140 / 4142 STEEL SHEET OR PLATE			
PART NO.	REV.	A	
TOOL NO.	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE IN HUNDREDTHS OF AN INCH. DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE IN HUNDREDTHS OF A MILLIMETER.		
INCHES AND DATA	MM AND DATA		
DEIGNED BY:	VM 21/2/03/B	XX ± .005	FRACTIONS: 1 1/8
DRAWN BY:	VM 02/21/03/B	XX ± .01	ANGLES: 9.5°
CHECKED BY:	VM 02/21/03/B	X	ROUGHNESS:
MFG. REVIEWED BY:	DD 02/24/03/B	GRABE MTS	
APPROVED BY:	MC 02/24/03/B	SHEET 1 OF 1	
CONTRACT NO. 2000 IN DART AEROSPACE			
THE PERTAINING INFORMATION CONTAINED HEREIN IS UNCLASSIFIED			
DATE 02/24/03 BY 2000-02-24 10:00 AM			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1-4140-B 1.00x1.00  
 DATE: 18/07/23

PO / BATCH NO.: P0040374/5094658

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 24.25 ft  
 QUANTITY INSPECTED: 24.25 ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00  
 THICKNESS RECEIVED: 1.00  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	<i>ASTM A829 acceptable for today use only AP 18/07/23</i>
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	H7: <del>30290Y</del> 30290Y
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>MM</u>	SIGNED OFF BY: _____
DATE: <u>18/07/23</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

98708

Dart

17926N

**Chemical certification  
Certification chimique**

Order Num / No. Commande AC-17926	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 12/11/17	Heat / coulée 302904	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED, E + VD				
Shape / Forme PLT	Size / Dimension 1.000	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique					
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)		
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190		
Actuel % 0.418	0.200	0.768	0.012		
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)		
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500		
Actuel % 0.001	0.980	0.120	0.160		
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)		
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000		
Actuel % 0.212	0.034	0.026	0.000		
Cobalt (Co)	Titanium (Ti)				
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.000	0.000	0.000	0.000	0.000	
Mechanical properties / Propriétés Mécaniques					
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		303 BHN

**Note:**

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.



Prepared by: / Préparé par:

## SPECIFICATION CONTROL DRAWING

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	M.

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE  
 MINIMUM ROCKWELL C = 28 RC  
 MAXIMUM ROCKWELL C = 32 RC

ASTM A829, AMS 6395

PART NUMBER:  
 MT-4140-S-[T].[TTT] x [W].[WWW]  
 WHERE "T.[TTT]" = THICKNESS IN INCHES  
 WHERE "W.[WWW]" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE		Holloman, New Mexico
AISI 4140 / 4142 STEEL SHEET OR PLATE		
PART NO.	MT-4140-S	REV. A
TOOL NO.	UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES. ALL DIMENSIONS ARE INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS APPLY AFTER PARISHING		
DESIGNED BY:	INITIALS AND DATE	TOLERANCES:
DRAWN BY:	VM 2/13/2018	XX ± .015
CHECKED BY:	VM 02/13/2018	XX ± .01
MAILED BY:	VM 02/13/2018	ANGLES: ± .5°
APPROVED BY:	DD 03/13/2018	ROUGHNESS: .005
ONE ORIGINAL COPY GOES TO DRAFTERS, ONE COPY GOES TO CHECKER, ONE COPY GOES TO DESIGNER, ONE COPY GOES TO MANUFACTURING, AND ONE COPY GOES TO PURCHASER. NO OTHER COPIES WILL BE MADE. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE. IT IS NOT TO BE COPIED OR DISSEMINATED WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE.		
SHEET 1 OF 1		

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1-4140-5-1.500x2.000  
 DATE: 18/07/22

PO / BATCH NO.: P0040374/S094659

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 6'  
 QUANTITY INSPECTED: 6'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500"  
 THICKNESS RECEIVED: 1.500"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>ASTM A821</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>HJ302904</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u> <u>18/07/22</u>	SIGNED OFF BY: _____
DATE: <u>18/07/22</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in